

WHAT IS CLAIMED IS:

1. A rolling element retainer comprising:

partitions, which serve to separate the sequential rolling elements from each other, each partition provided at both sides with a
5 curved face in corresponding to curvature of the rolling elements;

link-rings, which are employed to connect the partitions;

wherein each of the partitions and the link-rings being independent unit, the rolling element retainer in accordance with the present invention comprised of such plural independent units, the
10 engagement between the respective independent units achieved by a cylindrical ring portion angular movably engaged with a curved surface, by this way, a rolling element retainer can be formed by alternatively connecting the link-rings and the partitions together, and such that the rolling element retainer possessed with universal cornering ability.

15 2. The rolling element retainer as claimed in claim 1, wherein each of the partitions is provided with a trough, whereas each of the link-rings is provided with ring portion, a rolling element retainer with desired length can be formed by engaging the ring portion of the link-rings in the trough of the partitions.

20 3. The rolling element retainer as claimed in claim 1, wherein the trough of each of the partitions is formed with a curved bottom so as to allow relative angular movement in left-to-right direction between the partition and the link-ring.

4. The rolling element retainer as claimed in claim 1, wherein the ring portion of each of the link-rings is slightly cylindrical shaped, so as to allow relative angular movement in vertical direction between the partition and the link-ring.

5 5. The rolling element retainer as claimed in claims 2, 3 or 4, wherein each of the link-rings is complete-ring shaped as having a ring portion defined at its both sides, whereas on both sides of each of the partitions is provided an trough, in this way, a rolling element retainer with desired length can be formed by engaging the ring portions of the
10 link-rings respectively in the troughs of the partitions.

6. The rolling element retainer as claimed in claims 2, 3 or 4, wherein each of the link-rings is shaped as an incomplete ring which having an open end provided with fixing ends, and another side of each of the partitions opposite to the trough is provided with a groove for
15 engaging with the fixing ends of the link-ring, such that the link-ring can be connected to the partition.

7. The rolling element retainer as claimed in claim 1, wherein the respective link-rings and the partitions are simple structured as being formed by normal ejection molding, in this case, the production cost of it
20 can be substantially lowered.

8. The rolling element retainer as claimed in claim 1, wherein the respective link-rings and the partitions can be made of wear-resisting flexible material, so as to improve the cornering ability and prolong the

service life of the rolling element retainer.